OM protein - protein search, using sw model

Run on: May 16, 2005, 09:18:37 ; Search time 35 Seconds
(without alignments)
243.143 Million cell updates/sec

Title: US-10-062-831-59
Perfect score: 608
Sequence: 1 MARGSLRRLLRLLVLGLWLA.....LSGFLVWRRCRRERSSPPPX 114

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	608	100.0	114	4	US-09-690-454-59	Sequence 59, Appl
2	572	94.1	129	4	US-09-883-777-4	Sequence 4, Appli
3	572	94.1	129	4	US-09-949-016-6914	Sequence 6914, Ap
4	572	94.1	129	4	US-09-742-454A-4	Sequence 4, Appli
5	451	74.2	129	4	US-09-883-777-5	Sequence 5, Appli
6	451	74.2	129	4	US-09-742-454A-5	Sequence 5, Appli
7	433	71.2	309	4	US-09-883-777-7	Sequence 7, Appli
8	433	71.2	309	4	US-09-742-454A-7	Sequence 7, Appli
9	379.5	62.4	300	4	US-09-883-777-9	Sequence 9, Appli
10	274.5	45.1	112	4	US-09-489-847-139	Sequence 139, App
11	274.5	45.1	155	4	US-09-489-847-284	Sequence 284, App
12	274.5	45.1	156	4	US-09-489-847-228	Sequence 228, App
13	96.5	15.9	248	4	US-09-252-991A-29249	Sequence 29249, A
14	88.5	14.6	400	4	US-09-252-991A-26145	Sequence 26145, A
15	87.5	14.4	631	4	US-09-252-991A-20063	Sequence 20063, A
16	83.5	13.7	152	4	US-09-252-991A-31619	Sequence 31619, A
17	80.5	13.2	249	4	US-09-252-991A-29850	Sequence 29850, A
18	77	12.7	250	4	US-09-322-409-31	Sequence 31, Appl
19	77	12.7	250	4	US-09-451-527-31	Sequence 31, Appl
20	77	12.7	276	4	US-09-322-409-26	Sequence 26, Appl
21	77	12.7	276	4	US-09-451-527-26	Sequence 26, Appl
22	75	12.3	334	4	US-09-252-991A-18795	Sequence 18795, A
23	74.5	12.3	305	4	US-09-252-991A-21147	Sequence 21147, A
24	73.5	12.1	187	3	US-09-199-637A-287	Sequence 287, App
25	73.5	12.1	187	4	US-09-252-991A-21454	Sequence 21454, A
26	72.5	11.9	365	4	US-09-949-016-6907	Sequence 6907, Ap
27	72.5	11.9	391	4	US-09-949-016-7325	Sequence 7325, Ap
28	72.5	11.9	478	4	US-09-252-991A-22078	Sequence 22078, A
29	72	11.8	1278	4	US-09-462-136-2	Sequence 2, Appli
30	72	11.8	1318	4	US-09-949-016-10152	Sequence 10152, A
31	72	11.8	3724	2	US-08-804-227C-10	Sequence 10, Appl
32	72	11.8	3724	2	US-08-804-198-4	Sequence 4, Appli
33	71.5	11.8	402	4	US-09-252-991A-18195	Sequence 18195, A
34	70	11.5	156	4	US-09-902-540-12764	Sequence 12764, A
35	69.5	11.4	176	4	US-09-252-991A-25290	Sequence 25290, A
36	69	11.3	144	4	US-09-252-991A-17313	Sequence 17313, A
37	69	11.3	152	4	US-09-252-991A-24730	Sequence 24730, A
38	69	11.3	153	4	US-09-252-991A-20688	Sequence 20688, A
39	69	11.3	180	4	US-09-949-016-6478	Sequence 6478, Ap
40	69	11.3	215	3	US-09-220-528-104	Sequence 104, App
41	69	11.3	282	4	US-09-252-991A-29124	Sequence 29124, A
42	69	11.3	366	4	US-09-252-991A-31958	Sequence 31958, A
43	69	11.3	511	4	US-09-252-991A-28223	Sequence 28223, A
44	68.5	11.3	127	4	US-09-489-039A-10884	Sequence 10884, A
45	68.5	11.3	205	2	US-08-775-009-37	Sequence 37, Appl

ALIGNMENTS

RESULT 1
US-09-690-454-59
; Sequence 59, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-59

Query Match 100.0%; Score 608; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 6e-58;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114


RESULT 2
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

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Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 3
US-09-949-016-6914
; Sequence 6914, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6914
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-6914

  Query Match             94.1%;  Score 572;  DB 4;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 5.1e-54;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 4
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match             94.1%;  Score 572;  DB 4;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 5.1e-54;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||  |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 5
US-09-883-777-5
; Sequence 5, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-883-777-5

  Query Match             74.2%;  Score 451;  DB 4;  Length 129;
  Best Local Similarity   74.6%;  Pred. No. 5.1e-41;
  Matches   85;  Conservative    7;  Mismatches   22;  Indels    0;  Gaps    0;
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Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Db         61 SDFCLGCAAAPPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 6
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-742-454A-5

  Query Match            74.2%;  Score 451;  DB 4;  Length 129;
  Best Local Similarity  74.6%;  Pred. No. 5.1e-41;
  Matches   85;  Conservative    7;  Mismatches   22;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
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Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Db         61 SDFCLGCAAAPPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 7
US-09-883-777-7
; Sequence 7, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-7

  Query Match            71.2%;  Score 433;  DB 4;  Length 309;
  Best Local Similarity  74.1%;  Pred. No. 1.2e-38;
  Matches   83;  Conservative    2;  Mismatches    5;  Indels   22;  Gaps    1;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
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Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPP 112
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Db         61 SDFCLGCAAAPPAPFRLL----------------------WRSCDKTHTCPP 90


RESULT 8
US-09-742-454A-7
; Sequence 7, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: human TWEAK
;   OTHER INFORMATION: receptor fusion protein construct
US-09-742-454A-7

  Query Match            71.2%;  Score 433;  DB 4;  Length 309;
  Best Local Similarity  74.1%;  Pred. No. 1.2e-38;
  Matches   83;  Conservative    2;  Mismatches    5;  Indels   22;  Gaps    1;

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Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPP 112
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Db         61 SDFCLGCAAAPPAPFRLL----------------------WRSCDKTHTCPP 90


RESULT 9
US-09-883-777-9
; Sequence 9, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 300
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;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-9

  Query Match             62.4%;  Score 379.5;  DB 4;  Length 300;
  Best Local Similarity   88.0%;  Pred. No. 6.5e-33;
  Matches   73;  Conservative    0;  Mismatches    1;  Indels    9;  Gaps    1;

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              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAA---------PPAP 74
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Db         61 SDFCLGCAAARSCDKTHTCPPCP 83


RESULT 10
US-09-489-847-139
; Sequence 139, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 139
;   LENGTH: 112
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-489-847-139

  Query Match             45.1%;  Score 274.5;  DB 4;  Length 112;
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  Matches   54;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCA-SC 55
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCSTSC 56


RESULT 11
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; Sequence 284, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 284
;   LENGTH: 155
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-489-847-284

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  Best Local Similarity   96.4%;  Pred. No. 5.8e-22;
  Matches   54;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

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RESULT 12
US-09-489-847-228
; Sequence 228, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
;   LENGTH: 156
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (156)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-489-847-228

  Query Match             45.1%;  Score 274.5;  DB 4;  Length 156;
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  Matches   54;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCA-SC 55
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCSTSC 56


RESULT 13
US-09-252-991A-29249
; Sequence 29249, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;  APPLICANT:  Marc J. Rubenfield et al.
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;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION:  AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  US 60/074,788
;  PRIOR FILING DATE:  1998-02-18
;  PRIOR APPLICATION NUMBER:  US 60/094,190
;  PRIOR FILING DATE:  1998-07-27
;  NUMBER OF SEQ ID NOS:  33142
; SEQ ID NO 29249
;   LENGTH: 248
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29249

  Query Match             15.9%;  Score 96.5;  DB 4;  Length 248;
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US-09-252-991A-26145
; Sequence 26145, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;  APPLICANT:  Marc J. Rubenfield et al.
;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION:  AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  US 60/074,788
;  PRIOR FILING DATE:  1998-02-18
;  PRIOR APPLICATION NUMBER:  US 60/094,190
;  PRIOR FILING DATE:  1998-07-27
;  NUMBER OF SEQ ID NOS:  33142
; SEQ ID NO 26145
;   LENGTH: 400
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26145

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Qy         18 WLALLRSVAGEQAPGTAPCS--RGSSWSADLDKCMDCASCRARPHSDFCLGCA-AAPPAP 74
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Db         45 WSTAWRFPAPTAAAGWPRCAWPMASNWTATLSPRTSTASCRPMPHRCSCACCAKSRPPAP 104


RESULT 15
US-09-252-991A-20063
; Sequence 20063, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;  APPLICANT:  Marc J. Rubenfield et al.
;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION:  AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  US 60/074,788
;  PRIOR FILING DATE:  1998-02-18
;  PRIOR APPLICATION NUMBER:  US 60/094,190
;  PRIOR FILING DATE:  1998-07-27
;  NUMBER OF SEQ ID NOS:  33142
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;   LENGTH: 631
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20063

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Qy         79 WPILGGALSLTFVLGLLSGFLVWRRCRRERSS 110
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:26:36 ; Search time 140 Seconds
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Title: US-10-062-831-59
Perfect score: 608
Sequence: 1 MARGSLRRLLRLLVLGLWLA.....LSGFLVWRRCRRERSSPPPX 114

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Gapop 10.0 , Gapext 0.5

Searched: 1432185 seqs, 334051727 residues

Total number of hits satisfying chosen parameters: 1432185

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	608	100.0	114	14	US-10-062-831-59	Sequence 59, Appl
2	608	100.0	114	14	US-10-062-599-59	Sequence 59, Appl
3	572	94.1	129	9	US-09-742-454A-4	Sequence 4, Appli
4	572	94.1	129	9	US-09-883-777-4	Sequence 4, Appli
5	572	94.1	129	14	US-10-024-298A-178	Sequence 178, App
6	572	94.1	129	14	US-10-042-211A-178	Sequence 178, App
7	572	94.1	129	15	US-10-331-496A-37	Sequence 37, Appl
8	572	94.1	129	15	US-10-295-027-444	Sequence 444, App
9	572	94.1	129	15	US-10-295-027-1305	Sequence 1305, Ap
10	572	94.1	129	15	US-10-617-217A-178	Sequence 178, App
11	572	94.1	129	17	US-10-898-575-4	Sequence 4, Appli
12	572	94.1	129	17	US-10-626-686-16	Sequence 16, Appl
13	451	74.2	129	9	US-09-742-454A-5	Sequence 5, Appli
14	451	74.2	129	9	US-09-883-777-5	Sequence 5, Appli
15	451	74.2	129	17	US-10-898-575-5	Sequence 5, Appli
16	443	72.9	361	17	US-10-898-575-11	Sequence 11, Appl
17	438.5	72.1	362	17	US-10-898-575-9	Sequence 9, Appli
18	433	71.2	309	9	US-09-742-454A-7	Sequence 7, Appli
19	433	71.2	309	9	US-09-883-777-7	Sequence 7, Appli
20	433	71.2	309	17	US-10-898-575-7	Sequence 7, Appli
21	428	70.4	413	17	US-10-898-575-13	Sequence 13, Appl
22	379.5	62.4	300	9	US-09-883-777-9	Sequence 9, Appli
23	282	46.4	282	17	US-10-898-575-44	Sequence 44, Appl
24	274.5	45.1	112	15	US-10-351-334-139	Sequence 139, App
25	274.5	45.1	155	15	US-10-351-334-284	Sequence 284, App
26	274.5	45.1	156	15	US-10-351-334-228	Sequence 228, App
27	268	44.1	291	17	US-10-898-575-31	Sequence 31, Appl
28	267	43.9	335	17	US-10-898-575-33	Sequence 33, Appl
29	267	43.9	379	17	US-10-898-575-35	Sequence 35, Appl
30	267	43.9	423	17	US-10-898-575-37	Sequence 37, Appl
31	267	43.9	467	17	US-10-898-575-39	Sequence 39, Appl
32	267	43.9	511	17	US-10-898-575-41	Sequence 41, Appl
33	267	43.9	555	17	US-10-898-575-43	Sequence 43, Appl
34	258.5	42.5	288	17	US-10-898-575-21	Sequence 21, Appl
35	255	41.9	329	17	US-10-898-575-23	Sequence 23, Appl
36	255	41.9	370	17	US-10-898-575-25	Sequence 25, Appl
37	255	41.9	411	17	US-10-898-575-27	Sequence 27, Appl
38	255	41.9	452	17	US-10-898-575-29	Sequence 29, Appl
39	252	41.4	322	17	US-10-898-575-19	Sequence 19, Appl
40	250	41.1	339	17	US-10-898-575-18	Sequence 18, Appl
41	248	40.8	275	17	US-10-898-575-15	Sequence 15, Appl
42	241	39.6	292	17	US-10-898-575-17	Sequence 17, Appl
43	97.5	16.0	171	14	US-10-251-947-4	Sequence 4, Appli
44	97.5	16.0	171	14	US-10-251-947-7	Sequence 7, Appli
45	97.5	16.0	185	14	US-10-251-947-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-10-062-831-59
; Sequence 59, Application US/10062831
; Publication No. US20030105297A1
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/10/062,831
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/690,454
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/US98/10868
; PRIOR FILING DATE: May 28, 1998
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-10-062-831-59

  Query Match 100.0%; Score 608; DB 14; Length 114;
  Best Local Similarity 100.0%; Pred. No. 4.9e-50;
  Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
Db 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

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Db 61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114

RESULT 2
US-10-062-599-59
; Sequence 59, Application US/10062599
; Publication No. US20030195346A1
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/10/062,599
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/690,454
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-10-062-599-59

  Query Match 100.0%; Score 608; DB 14; Length 114;
  Best Local Similarity 100.0%; Pred. No. 4.9e-50;
  Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114

RESULT 3
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
; APPLICANT: WILEY, Steven R.
; TITLE OF INVENTION: TWEAK Receptor
; FILE REFERENCE: 2968-B
; CURRENT APPLICATION NUMBER: US/09/742,454A
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: 60/203,347
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match 94.1%; Score 572; DB 9; Length 129;
  Best Local Similarity 93.9%; Pred. No. 1.4e-46;
  Matches 107; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

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Db 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy 61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
Db 61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114

RESULT 4
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: TWEAK RECEPTOR
; FILE REFERENCE: 2968-C
; CURRENT APPLICATION NUMBER: US/09/883,777
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 60/203,347
; PRIOR FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: PCT/US00/34755
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/742,454
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 129
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-883-777-4

  Query Match 94.1%; Score 572; DB 9; Length 129;
  Best Local Similarity 93.9%; Pred. No. 1.4e-46;
  Matches 107; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

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RESULT 5
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; Sequence 178, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
;  APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
;  APPLICANT:  Akio MATSUDA
;  APPLICANT:  Goichi HONDA
;  APPLICANT:  Shuji MURAMATSU
;  APPLICANT:  Yukiko NAGANO
;  TITLE OF INVENTION: NF-K B Activating Gene
;  FILE REFERENCE: 1254-0191P
;  CURRENT APPLICATION NUMBER: US/10/024,298A
;  CURRENT FILING DATE:  2003-04-08
;  PRIOR APPLICATION NUMBER: 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: 60/278,641
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP254018/2001
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: JP0088912/2001
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP402288/2000
;  PRIOR FILING DATE: 2000-12-28
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-024-298A-178

  Query Match             94.1%;  Score 572;  DB 14;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

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               ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db          61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 6
US-10-042-211A-178
; Sequence 178, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NFKB Activating Gene
;  FILE REFERENCE: 1254-0192P
;  CURRENT APPLICATION NUMBER: US/10/042,211A
;  CURRENT FILING DATE:  2002-01-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-042-211A-178

  Query Match             94.1%;  Score 572;  DB 14;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy           1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
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Db           1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy          61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Db          61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 7
US-10-331-496A-37
; Sequence 37, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
;  APPLICANT: FRANTZ,GRETCHEN
;  APPLICANT:  HILLAN,KENNETH J.
;  APPLICANT:  PHILLIPS,HEIDI S.
;  APPLICANT:  POLAKIS,PAUL
;  APPLICANT:  SMITH,VICTORIA
;  APPLICANT:  SPENCER,SUSAN D.
;  APPLICANT:  WILLIAMS,P. MICKEY
;  APPLICANT:  WU,THOMAS D.
;  APPLICANT:  ZHANG,ZEMIN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF TUMOR
;  FILE REFERENCE: P5014R1-PCT
;  CURRENT APPLICATION NUMBER: US/10/331,496A
;  CURRENT FILING DATE:  2002-12-30
;  PRIOR APPLICATION NUMBER: US 60/345,444
;  PRIOR FILING DATE: 2002-01-02
;  PRIOR APPLICATION NUMBER: US 60/351,885
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: US 60/360,066
;  PRIOR FILING DATE: 2002-02-25
;  PRIOR APPLICATION NUMBER: US 60/362,004
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US 60/366,869
;  PRIOR FILING DATE: 2002-03-20
;  PRIOR APPLICATION NUMBER: US 60/366,284
;  PRIOR FILING DATE: 2002-03-21
;  PRIOR APPLICATION NUMBER: US 60/368,679
;  PRIOR FILING DATE: 2002-03-28
;  PRIOR APPLICATION NUMBER: US 60/404,809
;  PRIOR FILING DATE: 2002-08-19
;  PRIOR APPLICATION NUMBER: US 60/405,645
;  PRIOR FILING DATE: 2002-08-21
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 37
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-331-496A-37

  Query Match             94.1%;  Score 572;  DB 15;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy           1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
               ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 8
US-10-295-027-444
; Sequence 444, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 444
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-295-027-444

  Query Match             94.1%;  Score 572;  DB 15;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 9
US-10-295-027-1305
; Sequence 1305, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1305
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-295-027-1305

  Query Match             94.1%;  Score 572;  DB 15;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 10
US-10-617-217A-178
; Sequence 178, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NF-kB ACTIVATING GENE
;  FILE REFERENCE: 1254-0229P
;  CURRENT APPLICATION NUMBER: US/10/617,217A
;  CURRENT FILING DATE:  2003-07-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
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;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 224
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-617-217A-178

  Query Match             94.1%;  Score 572;  DB 15;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 11
US-10-898-575-4
; Sequence 4, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-898-575-4

  Query Match             94.1%;  Score 572;  DB 17;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 12
US-10-626-686-16
; Sequence 16, Application US/10626686
; Publication No. US20050074842A1
; GENERAL INFORMATION:
;  APPLICANT: Kato, Seishi
;  APPLICANT:  Sekine, Shingo
;  APPLICANT:  Kimura, Tomoko
;  TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE
;  TITLE OF INVENTION:  DOMAINS AND DNAS ENCODING THESE PROTEINS
;  FILE REFERENCE: GIN-6706CPUS
;  CURRENT APPLICATION NUMBER: US/10/626,686
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US/09/445,258A
;  PRIOR FILING DATE: 1999-12-01
;  PRIOR APPLICATION NUMBER: PCT/US98/02445
;  PRIOR FILING DATE: 1998-06-03
;  PRIOR APPLICATION NUMBER: JP 9-144948
;  PRIOR FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 67
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-626-686-16

  Query Match             94.1%;  Score 572;  DB 17;  Length 129;
  Best Local Similarity   93.9%;  Pred. No. 1.4e-46;
  Matches  107;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||      |:
Db         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 13
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-742-454A-5

  Query Match             74.2%;  Score 451;  DB 9;  Length 129;
  Best Local Similarity   74.6%;  Pred. No. 4.1e-35;
  Matches   85;  Conservative    7;  Mismatches   22;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
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Db          1 MAPGWPRSLPQILVLGFGLVLMRAAAGEQAPGTSPCSSGSSWSADLDKCMDCASCPARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              |||||||||||| ||||||||||||||  || |:| |||||||||      |:
Db         61 SDFCLGCAAAPPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 14
US-09-883-777-5
; Sequence 5, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
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;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-883-777-5

  Query Match             74.2%;  Score 451;  DB 9;  Length 129;
  Best Local Similarity   74.6%;  Pred. No. 4.1e-35;
  Matches   85;  Conservative    7;  Mismatches   22;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              || |  | | ::||||  | |:|: ||||||||:||| |||||||||||||||| ||||
Db          1 MAPGWPRSLPQILVLGFGLVLMRAAAGEQAPGTSPCSSGSSWSADLDKCMDCASCPARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
              |||||||||||| |||||||||||||  || |:| |||||||||       |:
Db         61 SDFCLGCAAAPPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 15
US-10-898-575-5
; Sequence 5, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-10-898-575-5

  Query Match             74.2%;  Score 451;  DB 17;  Length 129;
  Best Local Similarity   74.6%;  Pred. No. 4.1e-35;
  Matches   85;  Conservative    7;  Mismatches   22;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAPCSRGSSWSADLDKCMDCASCRARPH 60
              || |  | | ::||||  | |:|: ||||||||:||| |||||||||||||||| ||||
Db          1 MAPGWPRSLPQILVLGFGLVLMRAAAGEQAPGTSPCSSGSSWSADLDKCMDCASCPARPH 60

Qy         61 SDFCLGCAAAPPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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Search completed: May 16, 2005, 09:53:24
Job time : 141 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:26:36 ; Search time 42.9825 Seconds
(without alignments)
272.014 Million cell updates/sec

Title: US-10-062-831-59_COPY_1_35
Perfect score: 170
Sequence: 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 1432185

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
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8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
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16: /cgn2_6/ptodata/1/pubpaa/US10D_PUBCOMB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep:*
19: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	170	100.0	112	15	US-10-351-334-139	Sequence 139, App
2	170	100.0	114	14	US-10-062-831-59	Sequence 59, Appl
3	170	100.0	114	14	US-10-062-599-59	Sequence 59, Appl
4	170	100.0	129	9	US-09-742-454A-4	Sequence 4, Appli
5	170	100.0	129	9	US-09-883-777-4	Sequence 4, Appli
6	170	100.0	129	14	US-10-024-298A-178	Sequence 178, App
7	170	100.0	129	14	US-10-042-211A-178	Sequence 178, App
8	170	100.0	129	15	US-10-331-496A-37	Sequence 37, Appl
9	170	100.0	129	15	US-10-295-027-444	Sequence 444, App
10	170	100.0	129	15	US-10-295-027-1305	Sequence 1305, Ap
11	170	100.0	129	15	US-10-617-217A-178	Sequence 178, App
12	170	100.0	129	17	US-10-898-575-4	Sequence 4, Appli
13	170	100.0	129	17	US-10-626-686-16	Sequence 16, Appl
14	170	100.0	155	15	US-10-351-334-284	Sequence 284, App
15	170	100.0	156	15	US-10-351-334-228	Sequence 228, App
16	170	100.0	300	9	US-09-883-777-9	Sequence 9, Appli
17	170	100.0	309	9	US-09-742-454A-7	Sequence 7, Appli
18	170	100.0	309	9	US-09-883-777-7	Sequence 7, Appli
19	170	100.0	309	17	US-10-898-575-7	Sequence 7, Appli
20	170	100.0	361	17	US-10-898-575-11	Sequence 11, Appl
21	170	100.0	362	17	US-10-898-575-9	Sequence 9, Appli
22	170	100.0	413	17	US-10-898-575-13	Sequence 13, Appl
23	97	57.1	129	9	US-09-742-454A-5	Sequence 5, Appli
24	97	57.1	129	9	US-09-883-777-5	Sequence 5, Appli
25	97	57.1	129	17	US-10-898-575-5	Sequence 5, Appli
26	58	34.1	577	16	US-10-437-963-182042	Sequence 182042,
27	56.5	33.2	671	15	US-10-282-122A-59634	Sequence 59634, A
28	55	32.4	465	14	US-10-156-761-13252	Sequence 13252, A
29	54.5	32.1	1120	15	US-10-262-839-6	Sequence 6, Appli
30	54.5	32.1	1188	15	US-10-291-265-338	Sequence 338, App
31	54.5	32.1	1188	15	US-10-291-265-810	Sequence 810, App
32	54.5	32.1	1189	10	US-09-984-130-35	Sequence 35, Appl
33	54.5	32.1	1189	10	US-09-836-353A-35	Sequence 35, Appl
34	54.5	32.1	1189	15	US-10-262-839-4	Sequence 4, Appli
35	54	31.8	77	9	US-09-764-860-332	Sequence 332, App
36	54	31.8	77	14	US-10-074-095-332	Sequence 332, App
37	54	31.8	77	15	US-10-212-872-332	Sequence 332, App
38	54	31.8	300	9	US-09-953-499-10	Sequence 10, Appl
39	54	31.8	300	14	US-10-265-542-10	Sequence 10, Appl
40	54	31.8	300	16	US-10-633-008-10	Sequence 10, Appl
41	54	31.8	300	16	US-10-785-220-10	Sequence 10, Appl
42	54	31.8	300	16	US-10-785-221-10	Sequence 10, Appl
43	54	31.8	300	16	US-10-785-433-10	Sequence 10, Appl
44	54	31.8	319	10	US-09-847-102A-61	Sequence 61, Appl
45	54	31.8	404	14	US-10-156-761-13020	Sequence 13020, A

ALIGNMENTS

RESULT 1
US-10-351-334-139
; Sequence 139, Application US/10351334
; Publication No. US20040034196A1
; GENERAL INFORMATION:
; APPLICANT: Komatsoulis et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: PZ031P2
; CURRENT APPLICATION NUMBER: US/10/351,334
; CURRENT FILING DATE: 2003-01-27
; PRIOR APPLICATION NUMBER: 60/350,898
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: 09/489,847
; PRIOR FILING DATE: 2000-01-24
; PRIOR APPLICATION NUMBER: PCT/US99/17130
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: 60/094,657
; PRIOR FILING DATE: 1998-07-30
; PRIOR APPLICATION NUMBER: 60/095,486
; PRIOR FILING DATE: 1998-08-05
; PRIOR APPLICATION NUMBER: 60/096,319
; PRIOR FILING DATE: 1998-08-12
; PRIOR APPLICATION NUMBER: 60/095,454
; PRIOR FILING DATE: 1998-08-06
; PRIOR APPLICATION NUMBER: 60/095,455
; PRIOR FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 139
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-351-334-139

Query Match 100.0%; Score 170; DB 15; Length 112;
Best Local Similarity 100.0%; Pred. No. 2.6e-14;

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RESULT 2
US-10-062-831-59
; Sequence 59, Application US/10062831
; Publication No. US20030105297A1
; GENERAL INFORMATION:
;  APPLICANT: Steven M. Ruben, et al.
;  TITLE OF INVENTION: 32 Human Secreted Proteins
;  FILE REFERENCE: PZ006P1
;  CURRENT APPLICATION NUMBER: US/10/062,831
;  CURRENT FILING DATE:  2002-02-05
;  PRIOR APPLICATION NUMBER: 09/690,454
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/US98/10868
;  PRIOR FILING DATE: May 28, 1998
;  PRIOR APPLICATION NUMBER: 60/044,039
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,093
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,190
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/050,935
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,101
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,356
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/056,250
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,296
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,293
;  PRIOR FILING DATE: August 29, 1997
;  NUMBER OF SEQ ID NOS: 229
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 114
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (114)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-062-831-59

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US-10-062-599-59
; Sequence 59, Application US/10062599
; Publication No. US20030195346A1
; GENERAL INFORMATION:
;  APPLICANT: Steven M. Ruben, et al.
;  TITLE OF INVENTION: 32 Human Secreted Proteins
;  FILE REFERENCE: PZ006P1
;  CURRENT APPLICATION NUMBER: US/10/062,599
;  CURRENT FILING DATE:  2002-02-05
;  PRIOR APPLICATION NUMBER: 09/690,454
;  PRIOR FILING DATE: 2000-10-18
;  PRIOR APPLICATION NUMBER: 09/189,144
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: 60/044,039
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,093
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,190
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/050,935
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,101
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,356
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/056,250
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,296
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,293
;  PRIOR FILING DATE: August 29, 1997
;  NUMBER OF SEQ ID NOS: 229
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 114
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (114)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-062-599-59

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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 4
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

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RESULT 5
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; Sequence 4, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

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RESULT 6
US-10-024-298A-178
; Sequence 178, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
;  APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
;  APPLICANT:  Akio MATSUDA
;  APPLICANT:  Goichi HONDA
;  APPLICANT:  Shuji MURAMATSU
;  APPLICANT:  Yukiko NAGANO
;  TITLE OF INVENTION: NF-K B Activating Gene
;  FILE REFERENCE: 1254-0191P
;  CURRENT APPLICATION NUMBER: US/10/024,298A
;  CURRENT FILING DATE:  2003-04-08
;  PRIOR APPLICATION NUMBER: 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: 60/278,641
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP254018/2001
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: JP0088912/2001
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP402288/2000
;  PRIOR FILING DATE: 2000-12-28
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-024-298A-178

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RESULT 7
US-10-042-211A-178
; Sequence 178, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NFKB Activating Gene
;  FILE REFERENCE: 1254-0192P
;  CURRENT APPLICATION NUMBER: US/10/042,211A
;  CURRENT FILING DATE:  2002-01-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 182
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;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-042-211A-178

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RESULT 8
US-10-331-496A-37
; Sequence 37, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
;  APPLICANT: FRANTZ,GRETCHEN
;  APPLICANT:  HILLAN,KENNETH J.
;  APPLICANT:  PHILLIPS,HEIDI S.
;  APPLICANT:  POLAKIS,PAUL
;  APPLICANT:  SMITH,VICTORIA
;  APPLICANT:  SPENCER,SUSAN D.
;  APPLICANT:  WILLIAMS,P. MICKEY
;  APPLICANT:  WU,THOMAS D.
;  APPLICANT:  ZHANG,ZEMIN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF TUMOR
;  FILE REFERENCE: P5014R1-PCT
;  CURRENT APPLICATION NUMBER: US/10/331,496A
;  CURRENT FILING DATE:  2002-12-30
;  PRIOR APPLICATION NUMBER: US 60/345,444
;  PRIOR FILING DATE: 2002-01-02
;  PRIOR APPLICATION NUMBER: US 60/351,885
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: US 60/360,066
;  PRIOR FILING DATE: 2002-02-25
;  PRIOR APPLICATION NUMBER: US 60/362,004
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US 60/366,869
;  PRIOR FILING DATE: 2002-03-20
;  PRIOR APPLICATION NUMBER: US 60/366,284
;  PRIOR FILING DATE: 2002-03-21
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;  PRIOR APPLICATION NUMBER: US 60/368,679
;  PRIOR FILING DATE: 2002-03-28
;  PRIOR APPLICATION NUMBER: US 60/404,809
;  PRIOR FILING DATE: 2002-08-19
;  PRIOR APPLICATION NUMBER: US 60/405,645
;  PRIOR FILING DATE: 2002-08-21
;  NUMBER OF SEQ ID NOS: 95
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;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-331-496A-37

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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 9
US-10-295-027-444
; Sequence 444, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 444
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-295-027-444

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  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 10
US-10-295-027-1305
; Sequence 1305, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
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;  PRIOR APPLICATION NUMBER: US 60/340,376
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;  PRIOR FILING DATE: 2002-01-10
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;  PRIOR FILING DATE: 2002-02-08
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;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1305
;   LENGTH: 129
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;   ORGANISM: Homo sapiens
US-10-295-027-1305

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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 11
US-10-617-217A-178
; Sequence 178, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NF-kB ACTIVATING GENE
;  FILE REFERENCE: 1254-0229P
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;  CURRENT APPLICATION NUMBER: US/10/617,217A
;  CURRENT FILING DATE:  2003-07-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 224
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-617-217A-178

  Query Match             100.0%;  Score 170;  DB 15;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 3e-14;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 12
US-10-898-575-4
; Sequence 4, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-898-575-4

  Query Match             100.0%;  Score 170;  DB 17;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 3e-14;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 13
US-10-626-686-16
; Sequence 16, Application US/10626686
; Publication No. US20050074842A1
; GENERAL INFORMATION:
;  APPLICANT: Kato, Seishi
;  APPLICANT:  Sekine, Shingo
;  APPLICANT:  Kimura, Tomoko
;  TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE
;  TITLE OF INVENTION:  DOMAINS AND DNAS ENCODING THESE PROTEINS
;  FILE REFERENCE: GIN-6706CPUS
;  CURRENT APPLICATION NUMBER: US/10/626,686
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US/09/445,258A
;  PRIOR FILING DATE: 1999-12-01
;  PRIOR APPLICATION NUMBER: PCT/US98/02445
;  PRIOR FILING DATE: 1998-06-03
;  PRIOR APPLICATION NUMBER: JP 9-144948
;  PRIOR FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 67
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-626-686-16

  Query Match             100.0%;  Score 170;  DB 17;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 3e-14;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 14
US-10-351-334-284
; Sequence 284, Application US/10351334
; Publication No. US20040034196A1
; GENERAL INFORMATION:
;  APPLICANT: Komatsoulis et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P2
;  CURRENT APPLICATION NUMBER: US/10/351,334
;  CURRENT FILING DATE:  2003-01-27
;  PRIOR APPLICATION NUMBER: 60/350,898
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: 09/489,847
;  PRIOR FILING DATE: 2000-01-24
;  PRIOR APPLICATION NUMBER: PCT/US99/17130
;  PRIOR FILING DATE: 1999-07-29
;  PRIOR APPLICATION NUMBER: 60/094,657
;  PRIOR FILING DATE: 1998-07-30
;  PRIOR APPLICATION NUMBER: 60/095,486
;  PRIOR FILING DATE: 1998-08-05
;  PRIOR APPLICATION NUMBER: 60/096,319
;  PRIOR FILING DATE: 1998-08-12
;  PRIOR APPLICATION NUMBER: 60/095,454
;  PRIOR FILING DATE: 1998-08-06
;  PRIOR APPLICATION NUMBER: 60/095,455
;  PRIOR FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 284
;   LENGTH: 155
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-351-334-284

  Query Match             100.0%;  Score 170;  DB 15;  Length 155;
  Best Local Similarity   100.0%;  Pred. No. 3.6e-14;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 15
US-10-351-334-228
; Sequence 228, Application US/10351334
; Publication No. US20040034196A1
; GENERAL INFORMATION:
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;  APPLICANT: Komatsoulis et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P2
;  CURRENT APPLICATION NUMBER: US/10/351,334
;  CURRENT FILING DATE:  2003-01-27
;  PRIOR APPLICATION NUMBER: 60/350,898
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: 09/489,847
;  PRIOR FILING DATE: 2000-01-24
;  PRIOR APPLICATION NUMBER: PCT/US99/17130
;  PRIOR FILING DATE: 1999-07-29
;  PRIOR APPLICATION NUMBER: 60/094,657
;  PRIOR FILING DATE: 1998-07-30
;  PRIOR APPLICATION NUMBER: 60/095,486
;  PRIOR FILING DATE: 1998-08-05
;  PRIOR APPLICATION NUMBER: 60/096,319
;  PRIOR FILING DATE: 1998-08-12
;  PRIOR APPLICATION NUMBER: 60/095,454
;  PRIOR FILING DATE: 1998-08-06
;  PRIOR APPLICATION NUMBER: 60/095,455
;  PRIOR FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
;   LENGTH: 156
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (156)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-351-334-228

  Query Match           100.0%;  Score 170;  DB 15;  Length 156;
  Best Local Similarity  100.0%;  Pred. No. 3.6e-14;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


Search completed: May 16, 2005, 09:53:25
Job time : 43.9825 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 16, 2005, 09:18:37 ; Search time 10.7456 Seconds
(without alignments)
243.143 Million cell updates/sec

Title: US-10-062-831-59_COPY_1_35
Perfect score: 170
Sequence: 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	170	100.0	112	4	US-09-489-847-139	Sequence 139, App
2	170	100.0	114	4	US-09-690-454-59	Sequence 59, Appl
3	170	100.0	129	4	US-09-883-777-4	Sequence 4, Appli
4	170	100.0	129	4	US-09-949-016-6914	Sequence 6914, Ap
5	170	100.0	129	4	US-09-742-454A-4	Sequence 4, Appli
6	170	100.0	155	4	US-09-489-847-284	Sequence 284, App
7	170	100.0	156	4	US-09-489-847-228	Sequence 228, App
8	170	100.0	300	4	US-09-883-777-9	Sequence 9, Appli
9	170	100.0	309	4	US-09-883-777-7	Sequence 7, Appli
10	170	100.0	309	4	US-09-742-454A-7	Sequence 7, Appli
11	97	57.1	129	4	US-09-883-777-5	Sequence 5, Appli
12	97	57.1	129	4	US-09-742-454A-5	Sequence 5, Appli
13	54.5	32.1	1217	4	US-09-949-016-7892	Sequence 7892, Ap
14	54	31.8	300	4	US-09-254-465A-10	Sequence 10, Appl
15	54	31.8	300	4	US-09-397-243D-12	Sequence 12, Appl
16	54	31.8	300	4	US-09-953-499-10	Sequence 10, Appl
17	53	31.2	38	4	US-09-471-276-1405	Sequence 1405, Ap
18	53	31.2	48	3	US-09-453-322B-14	Sequence 14, Appl
19	52.5	30.9	680	4	US-09-489-039A-8422	Sequence 8422, Ap
20	52	30.6	108	4	US-09-513-999C-4205	Sequence 4205, Ap
21	52	30.6	510	4	US-09-893-737-84	Sequence 84, Appl
22	52	30.6	598	4	US-09-252-991A-28599	Sequence 28599, A
23	52	30.6	957	4	US-09-949-016-6154	Sequence 6154, Ap
24	52	30.6	964	4	US-09-949-016-7431	Sequence 7431, Ap
25	51.5	30.3	422	4	US-09-902-540-11389	Sequence 11389, A
26	51	30.0	148	4	US-09-489-039A-11733	Sequence 11733, A
27	50.5	29.7	156	4	US-09-902-540-12764	Sequence 12764, A
28	50.5	29.7	432	3	US-08-702-665A-3	Sequence 3, Appli
29	50.5	29.7	441	3	US-09-151-102-4	Sequence 4, Appli
30	50.5	29.7	441	3	US-08-929-846-4	Sequence 4, Appli
31	50.5	29.7	441	4	US-08-663-584-4	Sequence 4, Appli
32	50	29.4	240	4	US-09-949-016-9266	Sequence 9266, Ap
33	50	29.4	386	3	US-09-321-981-5	Sequence 5, Appli
34	50	29.4	386	4	US-09-739-861A-5	Sequence 5, Appli
35	50	29.4	386	4	US-09-795-583-5	Sequence 5, Appli
36	49	28.8	427	4	US-09-550-645-2	Sequence 2, Appli
37	49	28.8	428	4	US-09-922-364A-32	Sequence 32, Appl
38	49	28.8	428	4	US-09-254-590-32	Sequence 32, Appl
39	49	28.8	428	4	US-10-115-415-32	Sequence 32, Appl
40	49	28.8	428	4	US-10-116-260-32	Sequence 32, Appl
41	49	28.8	428	4	US-10-115-671-32	Sequence 32, Appl
42	49	28.8	510	4	US-09-949-016-10021	Sequence 10021, A
43	49	28.8	1238	3	US-09-214-278-5	Sequence 5, Appli
44	49	28.8	1238	4	US-09-855-722-5	Sequence 5, Appli
45	49	28.8	1399	3	US-08-462-467B-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-09-489-847-139
; Sequence 139, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
; APPLICANT: Rosen et al
; TITLE OF INVENTION: 98 Human Secreted Proteins
; FILE REFERENCE: PZ031P1
; CURRENT APPLICATION NUMBER: US/09/489,847
; CURRENT FILING DATE: 2000-01-24
; EARLIER APPLICATION NUMBER: PCT/US99/17130
; EARLIER FILING DATE: 1999-07-29
; EARLIER APPLICATION NUMBER: 60/094,657
; EARLIER FILING DATE: 1998-07-30
; EARLIER APPLICATION NUMBER: 60/095,486
; EARLIER FILING DATE: 1998-08-05
; EARLIER APPLICATION NUMBER: 60/096,319
; EARLIER FILING DATE: 1998-08-12
; EARLIER APPLICATION NUMBER: 60/095,454
; EARLIER FILING DATE: 1998-08-06
; EARLIER APPLICATION NUMBER: 60/095,455
; EARLIER FILING DATE: 1998-08-06
; NUMBER OF SEQ ID NOS: 376
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 139
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-489-847-139

Query Match 100.0%; Score 170; DB 4; Length 112;
Best Local Similarity 100.0%; Pred. No. 1e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db 1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35

RESULT 2
US-09-690-454-59
; Sequence 59, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144

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;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: 60/044,039
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,093
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,190
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/050,935
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,101
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,356
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/056,250
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,296
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,293
;  PRIOR FILING DATE: August 29, 1997
;  NUMBER OF SEQ ID NOS: 229
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 114
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (114)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-59

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  Best Local Similarity   100.0%;  Pred. No. 1.1e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 3
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

  Query Match             100.0%;  Score 170;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 4
US-09-949-016-6914
; Sequence 6914, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6914
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-6914

  Query Match             100.0%;  Score 170;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 5
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match             100.0%;  Score 170;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1.2e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 6
US-09-489-847-284
; Sequence 284, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
```

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;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 284
;   LENGTH: 155
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-489-847-284

  Query Match             100.0%;  Score 170;  DB 4;  Length 155;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 7
US-09-489-847-228
; Sequence 228, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
;   LENGTH: 156
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (156)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-489-847-228

  Query Match             100.0%;  Score 170;  DB 4;  Length 156;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              |||||||||||||||||||||||||||||||||||
Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 8
US-09-883-777-9
; Sequence 9, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 300
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-9

  Query Match             100.0%;  Score 170;  DB 4;  Length 300;
  Best Local Similarity   100.0%;  Pred. No. 3e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35


RESULT 9
US-09-883-777-7
; Sequence 7, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-7

  Query Match             100.0%;  Score 170;  DB 4;  Length 309;
  Best Local Similarity   100.0%;  Pred. No. 3.1e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db             1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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RESULT 10
US-09-742-454A-7
; Sequence 7, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
; APPLICANT: WILEY, Steven R.
; TITLE OF INVENTION: TWEAK Receptor
; FILE REFERENCE: 2968-B
; CURRENT APPLICATION NUMBER: US/09/742,454A
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: 60/203,347
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: human TWEAK
; OTHER INFORMATION: receptor fusion protein construct
US-09-742-454A-7

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Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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RESULT 11
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; Sequence 5, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: TWEAK RECEPTOR
; FILE REFERENCE: 2968-C
; CURRENT APPLICATION NUMBER: US/09/883,777
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 60/203,347
; PRIOR FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: PCT/US00/34755
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/742,454
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-883-777-5

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  Best Local Similarity   60.0%;  Pred. No. 2.7e-06;
  Matches   21;  Conservative    5;  Mismatches    9;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
              || |  | | ::|||  | |:|: |||||||:|
Db          1 MAPGWPRSLPQILVLGFGLVLMRAAAGEQAPGTSP 35
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RESULT 12
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
; APPLICANT: WILEY, Steven R.
; TITLE OF INVENTION: TWEAK Receptor
; FILE REFERENCE: 2968-B
; CURRENT APPLICATION NUMBER: US/09/742,454A
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: 60/203,347
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-742-454A-5

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  Query Match             57.1%;  Score 97;  DB 4;  Length 129;
  Best Local Similarity   60.0%;  Pred. No. 2.7e-06;
  Matches   21;  Conservative    5;  Mismatches    9;  Indels    0;  Gaps    0;

Qy          1 MARGSLRRLLRLLVLGLWLALLRSVAGEQAPGTAP 35
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Db          1 MAPGWPRSLPQILVLGFGLVLMRAAAGEQAPGTSP 35
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RESULT 13
US-09-949-016-7892
; Sequence 7892, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7892
; LENGTH: 1217
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7892

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  Best Local Similarity   50.0%;  Pred. No. 32;
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Qy          9 LLRLLVLGLW-LALLRSVAGEQAPGTAP 35
              || |||| || |   ||    : ||  |
Db       1184 LLALLVLALWKLGFFRSARRRREPGLDP 1211
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RESULT 14
US-09-254-465A-10
; Sequence 10, Application US/09254465A
; Patent No. 6410708
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Fong, Sherman

; APPLICANT: Goddard, Audrey
; APPLICANT: Gurney, Austin L.
; APPLICANT: Napier, Mary A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: COMPOUNDS, COMPOSITIONS AND METHODS FOR THE TREATMENT
; TITLE OF INVENTION: OF DISEASES CHARACTERIZED BY A33- RELATED ANTIGENS
; FILE REFERENCE: P1216R1(US)
; CURRENT APPLICATION NUMBER: US/09/254,465A
; CURRENT FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: PCT/US98/24855
; PRIOR FILING DATE: 1998-11-20
; PRIOR APPLICATION NUMBER: US 60/066,364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 60/078,936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: PCT/US98/19437
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 30
; SEQ ID NO 10
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-254-465A-10

Query Match 31.8%; Score 54; DB 4; Length 300;
Best Local Similarity 44.4%; Pred. No. 8.5;
Matches 12; Conservative 2; Mismatches 13; Indels 0; Gaps 0;

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Qy          9 LLRLLVLGLWLALLRSVAGEQAPGTAP 35
              || ||: |:| |  |        ||||
Db        249 LLGLLIFGVWFAYSRGYFETTKKGTAP 275
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RESULT 15
US-09-397-243D-12
; Sequence 12, Application US/09397243D
; Patent No. 6699688
; GENERAL INFORMATION:
; APPLICANT: Kornecki, Elizabeth
; APPLICANT: Sobocka, Malgorzata B.
; TITLE OF INVENTION: Human Platelet F11 Receptor
; FILE REFERENCE: 011.00221
; CURRENT APPLICATION NUMBER: US/09/397,243D
; CURRENT FILING DATE: 1999-09-16
; PRIOR APPLICATION NUMBER: 60/100,638
; PRIOR FILING DATE: 1998-09-16
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-397-243D-12

Query Match 31.8%; Score 54; DB 4; Length 300;
Best Local Similarity 44.4%; Pred. No. 8.5;
Matches 12; Conservative 2; Mismatches 13; Indels 0; Gaps 0;

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Qy          9 LLRLLVLGLWLALLRSVAGEQAPGTAP 35
              || ||: |:| |  |        ||||
Db        249 LLGLLIFGVWFAYSRGYFETTKKGTAP 275
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:26:36 ; Search time 42.9825 Seconds
(without alignments)
272.014 Million cell updates/sec

Title: US-10-062-831-59_COPY_36_70
Perfect score: 203
Sequence: 1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 1432185

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	203	100.0	114	14	US-10-062-831-59	Sequence 59, Appl
2	203	100.0	114	14	US-10-062-599-59	Sequence 59, Appl
3	203	100.0	129	9	US-09-742-454A-4	Sequence 4, Appli
4	203	100.0	129	9	US-09-883-777-4	Sequence 4, Appli
5	203	100.0	129	14	US-10-024-298A-178	Sequence 178, App
6	203	100.0	129	14	US-10-042-211A-178	Sequence 178, App
7	203	100.0	129	15	US-10-331-496A-37	Sequence 37, Appl
8	203	100.0	129	15	US-10-295-027-444	Sequence 444, App
9	203	100.0	129	15	US-10-295-027-1305	Sequence 1305, Ap
10	203	100.0	129	15	US-10-617-217A-178	Sequence 178, App
11	203	100.0	129	17	US-10-898-575-4	Sequence 4, Appli
12	203	100.0	129	17	US-10-626-686-16	Sequence 16, Appl
13	203	100.0	275	17	US-10-898-575-15	Sequence 15, Appl
14	203	100.0	282	17	US-10-898-575-44	Sequence 44, Appl
15	203	100.0	288	17	US-10-898-575-21	Sequence 21, Appl
16	203	100.0	291	17	US-10-898-575-31	Sequence 31, Appl
17	203	100.0	292	17	US-10-898-575-17	Sequence 17, Appl
18	203	100.0	300	9	US-09-883-777-9	Sequence 9, Appli
19	203	100.0	309	9	US-09-742-454A-7	Sequence 7, Appli
20	203	100.0	309	9	US-09-883-777-7	Sequence 7, Appli
21	203	100.0	309	17	US-10-898-575-7	Sequence 7, Appli
22	203	100.0	322	17	US-10-898-575-19	Sequence 19, Appl
23	203	100.0	329	17	US-10-898-575-23	Sequence 23, Appl
24	203	100.0	335	17	US-10-898-575-33	Sequence 33, Appl
25	203	100.0	339	17	US-10-898-575-18	Sequence 18, Appl
26	203	100.0	361	17	US-10-898-575-11	Sequence 11, Appl
27	203	100.0	362	17	US-10-898-575-9	Sequence 9, Appli
28	203	100.0	370	17	US-10-898-575-25	Sequence 25, Appl
29	203	100.0	379	17	US-10-898-575-35	Sequence 35, Appl
30	203	100.0	411	17	US-10-898-575-27	Sequence 27, Appl
31	203	100.0	413	17	US-10-898-575-13	Sequence 13, Appl
32	203	100.0	423	17	US-10-898-575-37	Sequence 37, Appl
33	203	100.0	452	17	US-10-898-575-29	Sequence 29, Appl
34	203	100.0	467	17	US-10-898-575-39	Sequence 39, Appl
35	203	100.0	511	17	US-10-898-575-41	Sequence 41, Appl
36	203	100.0	555	17	US-10-898-575-43	Sequence 43, Appl
37	190	93.6	129	9	US-09-742-454A-5	Sequence 5, Appli
38	190	93.6	129	9	US-09-883-777-5	Sequence 5, Appli
39	190	93.6	129	17	US-10-898-575-5	Sequence 5, Appli
40	104.5	51.5	112	15	US-10-351-334-139	Sequence 139, App
41	104.5	51.5	155	15	US-10-351-334-284	Sequence 284, App
42	104.5	51.5	156	15	US-10-351-334-228	Sequence 228, App
43	63.5	31.3	928	8	US-08-578-684-2	Sequence 2, Appli
44	63.5	31.3	1005	15	US-10-029-020-63	Sequence 63, Appl
45	60	29.6	403	15	US-10-094-886-136	Sequence 136, App

ALIGNMENTS

RESULT 1
US-10-062-831-59
; Sequence 59, Application US/10062831
; Publication No. US20030105297A1
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/10/062,831
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/690,454
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/US98/10868
; PRIOR FILING DATE: May 28, 1998
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114

; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-10-062-831-59

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  Best Local Similarity 100.0%; Pred. No. 1e-16;
  Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 2
US-10-062-599-59
; Sequence 59, Application US/10062599
; Publication No. US20030195346A1
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/10/062,599
; CURRENT FILING DATE: 2002-02-05
; PRIOR APPLICATION NUMBER: 09/690,454
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-10-062-599-59

  Query Match 100.0%; Score 203; DB 14; Length 114;
  Best Local Similarity 100.0%; Pred. No. 1e-16;
  Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 3
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
; APPLICANT: WILEY, Steven R.
; TITLE OF INVENTION: TWEAK Receptor
; FILE REFERENCE: 2968-B
; CURRENT APPLICATION NUMBER: US/09/742,454A
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: 60/203,347
; PRIOR FILING DATE: 2000-05-10
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match 100.0%; Score 203; DB 9; Length 129;
  Best Local Similarity 100.0%; Pred. No. 1.1e-16;
  Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 4
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: TWEAK RECEPTOR
; FILE REFERENCE: 2968-C
; CURRENT APPLICATION NUMBER: US/09/883,777
; CURRENT FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/172,878
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 60/203,347
; PRIOR FILING DATE: 2000-05-10
; PRIOR APPLICATION NUMBER: PCT/US00/34755
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: US 09/742,454
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 129
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-883-777-4

  Query Match 100.0%; Score 203; DB 9; Length 129;
  Best Local Similarity 100.0%; Pred. No. 1.1e-16;
  Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
  ||||||||||||||||||||||||||||||||||||
Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 5
US-10-024-298A-178
; Sequence 178, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
; APPLICANT: Akio MATSUDA
; APPLICANT: Goichi HONDA
; APPLICANT: Shuji MURAMATSU
; APPLICANT: Yukiko NAGANO

```
;  TITLE OF INVENTION: NF-K B Activating Gene
;  FILE REFERENCE: 1254-0191P
;  CURRENT APPLICATION NUMBER: US/10/024,298A
;  CURRENT FILING DATE:  2003-04-08
;  PRIOR APPLICATION NUMBER: 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: 60/278,641
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP254018/2001
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: JP0088912/2001
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP402288/2000
;  PRIOR FILING DATE: 2000-12-28
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-024-298A-178

  Query Match           100.0%;  Score 203;  DB 14;  Length 129;
  Best Local Similarity  100.0%;  Pred. No. 1.1e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 6
US-10-042-211A-178
; Sequence 178, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NFKB Activating Gene
;  FILE REFERENCE: 1254-0192P
;  CURRENT APPLICATION NUMBER: US/10/042,211A
;  CURRENT FILING DATE:  2002-01-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-042-211A-178

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  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
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Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 7
US-10-331-496A-37
; Sequence 37, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
;  APPLICANT: FRANTZ,GRETCHEN
;  APPLICANT:  HILLAN,KENNETH J.
;  APPLICANT:  PHILLIPS,HEIDI S.
;  APPLICANT:  POLAKIS,PAUL
;  APPLICANT:  SMITH,VICTORIA
;  APPLICANT:  SPENCER,SUSAN D.
;  APPLICANT:  WILLIAMS,P. MICKEY
;  APPLICANT:  WU,THOMAS D.
;  APPLICANT:  ZHANG,ZEMIN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF TUMOR
;  FILE REFERENCE: P5014R1-PCT
;  CURRENT APPLICATION NUMBER: US/10/331,496A
;  CURRENT FILING DATE:  2002-12-30
;  PRIOR APPLICATION NUMBER: US 60/345,444
;  PRIOR FILING DATE: 2002-01-02
;  PRIOR APPLICATION NUMBER: US 60/351,885
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: US 60/360,066
;  PRIOR FILING DATE: 2002-02-25
;  PRIOR APPLICATION NUMBER: US 60/362,004
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US 60/366,869
;  PRIOR FILING DATE: 2002-03-20
;  PRIOR APPLICATION NUMBER: US 60/366,284
;  PRIOR FILING DATE: 2002-03-21
;  PRIOR APPLICATION NUMBER: US 60/368,679
;  PRIOR FILING DATE: 2002-03-28
;  PRIOR APPLICATION NUMBER: US 60/404,809
;  PRIOR FILING DATE: 2002-08-19
;  PRIOR APPLICATION NUMBER: US 60/405,645
;  PRIOR FILING DATE: 2002-08-21
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 37
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-331-496A-37

  Query Match           100.0%;  Score 203;  DB 15;  Length 129;
  Best Local Similarity  100.0%;  Pred. No. 1.1e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
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Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 8
US-10-295-027-444
; Sequence 444, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
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; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 444
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-444

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Best Local Similarity 100.0%; Pred. No. 1.1e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 9
US-10-295-027-1305
; Sequence 1305, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1305
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-1305

Query Match 100.0%; Score 203; DB 15; Length 129;
Best Local Similarity 100.0%; Pred. No. 1.1e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 10
US-10-617-217A-178
; Sequence 178, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NF-kB ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-617-217A-178

Query Match 100.0%; Score 203; DB 15; Length 129;
Best Local Similarity 100.0%; Pred. No. 1.1e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
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Db 36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70

RESULT 11
US-10-898-575-4
; Sequence 4, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
; APPLICANT: AMGEN INC.
; APPLICANT: Wiley, Steven R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
; TITLE OF INVENTION: SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
; FILE REFERENCE: 3430-A
; CURRENT APPLICATION NUMBER: US/10/898,575
; CURRENT FILING DATE: 2004-07-23

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;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-898-575-4

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Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 12
US-10-626-686-16
; Sequence 16, Application US/10626686
; Publication No. US20050074842A1
; GENERAL INFORMATION:
;  APPLICANT: Kato, Seishi
;  APPLICANT:  Sekine, Shingo
;  APPLICANT:  Kimura, Tomoko
;  TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE
;  TITLE OF INVENTION:  DOMAINS AND DNAS ENCODING THESE PROTEINS
;  FILE REFERENCE: GIN-6706CPUS
;  CURRENT APPLICATION NUMBER: US/10/626,686
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US/09/445,258A
;  PRIOR FILING DATE: 1999-12-01
;  PRIOR APPLICATION NUMBER: PCT/US98/02445
;  PRIOR FILING DATE: 1998-06-03
;  PRIOR APPLICATION NUMBER: JP 9-144948
;  PRIOR FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 67
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-626-686-16

  Query Match           100.0%;  Score 203;  DB 17;  Length 129;
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  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 13
US-10-898-575-15
; Sequence 15, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
;   LENGTH: 275
;   TYPE: PRT
;   ORGANISM: Artificial
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
US-10-898-575-15

  Query Match           100.0%;  Score 203;  DB 17;  Length 275;
  Best Local Similarity  100.0%;  Pred. No. 2.3e-16;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db          9 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 43


RESULT 14
US-10-898-575-44
; Sequence 44, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 44
;   LENGTH: 282
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: huTWEAKr 28-76:gly5:Fc
US-10-898-575-44

  Query Match           100.0%;  Score 203;  DB 17;  Length 282;
  Best Local Similarity  100.0%;  Pred. No. 2.3e-16;
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Db         10 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 44


RESULT 15
US-10-898-575-21
; Sequence 21, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
;   LENGTH: 288
;   TYPE: PRT
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
US-10-898-575-21

  Query Match           100.0%;  Score 203;  DB 17;  Length 288;
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Best Local Similarity 100.0%; Pred. No. 2.4e-16;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db         27 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 61
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Job time : 43.9825 secs

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:18:37 ; Search time 10.7456 Seconds
(without alignments)
243.143 Million cell updates/sec

Title: US-10-062-831-59_COPY_36_70
Perfect score: 203
Sequence: 1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35

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Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	203	100.0	114	4	US-09-690-454-59	Sequence 59, Appl
2	203	100.0	129	4	US-09-883-777-4	Sequence 4, Appli
3	203	100.0	129	4	US-09-949-016-6914	Sequence 6914, Ap
4	203	100.0	129	4	US-09-742-454A-4	Sequence 4, Appli
5	203	100.0	300	4	US-09-883-777-9	Sequence 9, Appli
6	203	100.0	309	4	US-09-883-777-7	Sequence 7, Appli
7	203	100.0	309	4	US-09-742-454A-7	Sequence 7, Appli
8	190	93.6	129	4	US-09-883-777-5	Sequence 5, Appli
9	190	93.6	129	4	US-09-742-454A-5	Sequence 5, Appli
10	104.5	51.5	112	4	US-09-489-847-139	Sequence 139, App
11	104.5	51.5	155	4	US-09-489-847-284	Sequence 284, App
12	104.5	51.5	156	4	US-09-489-847-228	Sequence 228, App
13	68	33.5	248	4	US-09-252-991A-29249	Sequence 29249, A
14	65	32.0	400	4	US-09-252-991A-26145	Sequence 26145, A
15	63.5	31.3	928	1	US-08-442-248-2	Sequence 2, Appli
16	63.5	31.3	928	1	US-08-440-815-2	Sequence 2, Appli
17	63.5	31.3	928	3	US-08-486-449-2	Sequence 2, Appli
18	63.5	31.3	928	4	US-08-578-684-2	Sequence 2, Appli
19	63.5	31.3	1005	2	US-08-469-537A-103	Sequence 103, App
20	59.5	29.3	644	1	US-08-336-708A-9	Sequence 9, Appli
21	59.5	29.3	1210	2	US-08-484-438-7	Sequence 7, Appli
22	59.5	29.3	1210	2	US-08-475-035-4	Sequence 4, Appli
23	59.5	29.3	1210	4	US-09-715-249-2	Sequence 2, Appli
24	58.5	28.8	478	3	US-09-570-454-2	Sequence 2, Appli
25	58.5	28.8	478	4	US-09-867-521-2	Sequence 2, Appli
26	56	27.6	94	3	US-08-851-843A-215	Sequence 215, App
27	56	27.6	94	3	US-08-974-549A-334	Sequence 334, App
28	56	27.6	94	3	US-08-854-050-215	Sequence 215, App
29	56	27.6	94	3	US-09-430-323-215	Sequence 215, App
30	56	27.6	94	4	US-09-402-181B-334	Sequence 334, App
31	56	27.6	94	4	US-09-721-456-334	Sequence 334, App
32	55.5	27.3	953	4	US-09-751-389-7	Sequence 7, Appli
33	55.5	27.3	967	2	US-08-449-645A-30	Sequence 30, Appl
34	55.5	27.3	967	2	US-08-702-367A-30	Sequence 30, Appl
35	55.5	27.3	975	4	US-09-751-389-8	Sequence 8, Appli
36	55.5	27.3	991	2	US-08-449-645A-13	Sequence 13, Appl
37	55.5	27.3	991	2	US-08-702-367A-13	Sequence 13, Appl
38	55.5	27.3	991	5	PCT-US95-04681-13	Sequence 13, Appl
39	55	27.1	113	4	US-09-826-312A-8	Sequence 8, Appli
40	55	27.1	113	4	US-09-542-497A-8	Sequence 8, Appli
41	55	27.1	442	4	US-09-252-991A-30607	Sequence 30607, A
42	54.5	26.8	96	4	US-09-621-976-4327	Sequence 4327, Ap
43	54.5	26.8	126	4	US-09-621-976-6885	Sequence 6885, Ap
44	54.5	26.8	464	4	US-09-538-092-598	Sequence 598, App
45	54	26.6	204	4	US-09-252-991A-27153	Sequence 27153, A

ALIGNMENTS

RESULT 1
US-09-690-454-59
; Sequence 59, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-59

Query Match 100.0%; Score 203; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 8.9e-18;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70
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```
RESULT 2
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

  Query Match             100.0%;  Score 203;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 3
US-09-949-016-6914
; Sequence 6914, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6914
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-6914

  Query Match             100.0%;  Score 203;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 4
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match             100.0%;  Score 203;  DB 4;  Length 129;
  Best Local Similarity   100.0%;  Pred. No. 1e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 5
US-09-883-777-9
; Sequence 9, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 300
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-9

  Query Match             100.0%;  Score 203;  DB 4;  Length 300;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 6
US-09-883-777-7
; Sequence 7, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
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;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-7

  Query Match            100.0%;  Score 203;  DB 4;  Length 309;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 7
US-09-742-454A-7
; Sequence 7, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: human TWEAK
;   OTHER INFORMATION: receptor fusion protein construct
US-09-742-454A-7

  Query Match            100.0%;  Score 203;  DB 4;  Length 309;
  Best Local Similarity   100.0%;  Pred. No. 2.4e-17;
  Matches   35;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              |||||||||||||||||||||||||||||||||||
Db         36 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 70


RESULT 8
US-09-883-777-5
; Sequence 5, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-883-777-5

  Query Match            93.6%;  Score 190;  DB 4;  Length 129;
  Best Local Similarity   94.3%;  Pred. No. 3.9e-16;
  Matches   33;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              || |||||||||||||||||| ||||||||||||||
Db         36 CSSGSSWSADLDKCMDCASCPARPHSDFCLGCAAA 70


RESULT 9
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-742-454A-5

  Query Match            93.6%;  Score 190;  DB 4;  Length 129;
  Best Local Similarity   94.3%;  Pred. No. 3.9e-16;
  Matches   33;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          1 CSRGSSWSADLDKCMDCASCRARPHSDFCLGCAAA 35
              || |||||||||||||||||| ||||||||||||||
Db         36 CSSGSSWSADLDKCMDCASCPARPHSDFCLGCAAA 70


RESULT 10
US-09-489-847-139
; Sequence 139, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
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;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 139
;   LENGTH: 112
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-489-847-139

  Query Match             51.5%;  Score 104.5;  DB 4;  Length 112;
  Best Local Similarity   90.5%;  Pred. No. 1e-05;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 CSRGSSWSADLDKCMDCA-SC 20
              |||||||||||||||||: ||
Db         36 CSRGSSWSADLDKCMDCSTSC 56


RESULT 11
US-09-489-847-284
; Sequence 284, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 284
;   LENGTH: 155
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-489-847-284

  Query Match             51.5%;  Score 104.5;  DB 4;  Length 155;
  Best Local Similarity   90.5%;  Pred. No. 1.4e-05;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 CSRGSSWSADLDKCMDCA-SC 20
              |||||||||||||||||: ||
Db         36 CSRGSSWSADLDKCMDCSTSC 56


RESULT 12
US-09-489-847-228
; Sequence 228, Application US/09489847
; Patent No. 6476195
; GENERAL INFORMATION:
;  APPLICANT: Rosen et al
;  TITLE OF INVENTION: 98 Human Secreted Proteins
;  FILE REFERENCE: PZ031P1
;  CURRENT APPLICATION NUMBER: US/09/489,847
;  CURRENT FILING DATE: 2000-01-24
;  EARLIER APPLICATION NUMBER: PCT/US99/17130
;  EARLIER FILING DATE: 1999-07-29
;  EARLIER APPLICATION NUMBER: 60/094,657
;  EARLIER FILING DATE: 1998-07-30
;  EARLIER APPLICATION NUMBER: 60/095,486
;  EARLIER FILING DATE: 1998-08-05
;  EARLIER APPLICATION NUMBER: 60/096,319
;  EARLIER FILING DATE: 1998-08-12
;  EARLIER APPLICATION NUMBER: 60/095,454
;  EARLIER FILING DATE: 1998-08-06
;  EARLIER APPLICATION NUMBER: 60/095,455
;  EARLIER FILING DATE: 1998-08-06
;  NUMBER OF SEQ ID NOS: 376
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 228
;   LENGTH: 156
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (156)
;   OTHER INFORMATION: Xaa equals stop translation
US-09-489-847-228

  Query Match             51.5%;  Score 104.5;  DB 4;  Length 156;
  Best Local Similarity   90.5%;  Pred. No. 1.4e-05;
  Matches   19;  Conservative    1;  Mismatches    0;  Indels    1;  Gaps    1;

Qy          1 CSRGSSWSADLDKCMDCA-SC 20
              |||||||||||||||||: ||
Db         36 CSRGSSWSADLDKCMDCSTSC 56


RESULT 13
US-09-252-991A-29249
; Sequence 29249, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;  APPLICANT:  Marc J. Rubenfield et al.
;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION:  AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  US 60/074,788
;  PRIOR FILING DATE:  1998-02-18
;  PRIOR APPLICATION NUMBER:  US 60/094,190
;  PRIOR FILING DATE:  1998-07-27
;  NUMBER OF SEQ ID NOS:  33142
; SEQ ID NO 29249
;   LENGTH: 248
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29249

  Query Match             33.5%;  Score 68;  DB 4;  Length 248;
  Best Local Similarity   39.5%;  Pred. No. 0.67;
  Matches   15;  Conservative    6;  Mismatches   13;  Indels    4;  Gaps    2;

Qy          1 CSRGSS---WSADLDKCMDCASCRARPHSD-FCLGCAA 34
              |  |::   |||   :|  ||| |||  :  :|  |:|
Db         80 CWAGAAPTCWSATTSRCRGCASSRARRRTGRWCAACSA 117


RESULT 14
US-09-252-991A-26145
; Sequence 26145, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
;  APPLICANT:  Marc J. Rubenfield et al.
;  TITLE OF INVENTION:  NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;  TITLE OF INVENTION:  AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;  FILE REFERENCE:  107196.136
;  CURRENT APPLICATION NUMBER: US/09/252,991A
;  CURRENT FILING DATE:  1999-02-18
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;  PRIOR APPLICATION NUMBER:  US 60/074,788
;  PRIOR FILING DATE:  1998-02-18
;  PRIOR APPLICATION NUMBER:  US 60/094,190
;  PRIOR FILING DATE:  1998-07-27
;  NUMBER OF SEQ ID NOS:  33142
; SEQ ID NO 26145
;   LENGTH: 400
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26145

  Query Match             32.0%;  Score 65;  DB 4;  Length 400;
  Best Local Similarity   44.8%;  Pred. No. 2.5;
  Matches   13;  Conservative    2;  Mismatches   14;  Indels    0;  Gaps    0;

Qy          5 SSWSADLDKCMDCASCRARPHSDFCLGCA 33
              |:|:| |       ||||  ||   |  ||
Db         69 SNWTATLSPRTSTASCRPMPHRCSCACCA 97


RESULT 15
US-08-442-248-2
; Sequence 2, Application US/08442248
; Patent No. 5759863
;  GENERAL INFORMATION:
;    APPLICANT:  Caras, Ingrid W.
;    APPLICANT:  Winslow, John W.
;    TITLE OF INVENTION:  AL-1 Neurotrophic Factor
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/442,248
;      FILING DATE:  15-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/330128
;      FILING DATE:  27-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Torchia, Timothy E.
;      REGISTRATION NUMBER:  36,700
;      REFERENCE/DOCKET NUMBER:  920C4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-8674
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  928 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
US-08-442-248-2

  Query Match             31.3%;  Score 63.5;  DB 1;  Length 928;
  Best Local Similarity   31.9%;  Pred. No. 9;
  Matches   15;  Conservative    1;  Mismatches   16;  Indels   15;  Gaps    2;

Qy          1 CSRGSSWSADLDKCM----------DCASCR-----ARPHSDFCLGC 32
              ||     |   : |||           |  ||      | |||  |  |
Db        278 CSAEGEWLVPIGKCMCKAGYEEKNGTCQVCRPGFFKASPHSQTCSKC 324


Search completed: May 16, 2005, 09:46:54

Job time : 11.7456 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:18:37 ; Search time 13.5088 Seconds
(without alignments)
243.143 Million cell updates/sec

Title: US-10-062-831-59_COPY_71_114
Perfect score: 235
Sequence: 1 PPAPFRLLWPILGGALSLTF.....LSGFLVWRRCRRERSSPPPX 44

Scoring table: BLOSUM62DX
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	235	100.0	114	4	US-09-690-454-59	Sequence 59, Appl
2	199	84.7	129	4	US-09-883-777-4	Sequence 4, Appli
3	199	84.7	129	4	US-09-949-016-6914	Sequence 6914, Ap
4	199	84.7	129	4	US-09-742-454A-4	Sequence 4, Appli
5	164	69.8	129	4	US-09-883-777-5	Sequence 5, Appli
6	164	69.8	129	4	US-09-742-454A-5	Sequence 5, Appli
7	63	26.8	365	4	US-09-949-016-6907	Sequence 6907, Ap
8	63	26.8	391	4	US-09-949-016-7325	Sequence 7325, Ap
9	61	26.0	992	1	US-08-127-499A-1	Sequence 1, Appli
10	61	26.0	992	1	US-08-482-847-1	Sequence 1, Appli
11	60	25.5	309	4	US-09-883-777-7	Sequence 7, Appli
12	60	25.5	309	4	US-09-742-454A-7	Sequence 7, Appli
13	60	25.5	730	1	US-08-121-713D-58	Sequence 58, Appl
14	60	25.5	730	1	US-08-835-268-58	Sequence 58, Appl
15	60	25.5	730	2	US-09-060-692-58	Sequence 58, Appl
16	60	25.5	730	3	US-08-833-391-58	Sequence 58, Appl
17	60	25.5	730	3	US-09-060-610-58	Sequence 58, Appl
18	60	25.5	730	5	PCT-US94-10151A-58	Sequence 58, Appl
19	60	25.5	839	4	US-09-489-039A-13252	Sequence 13252, A
20	59.5	25.3	137	4	US-09-489-039A-11239	Sequence 11239, A
21	58.5	24.9	153	4	US-09-252-991A-18571	Sequence 18571, A
22	58.5	24.9	231	4	US-09-724-623-116	Sequence 116, App
23	58.5	24.9	617	4	US-09-252-991A-29507	Sequence 29507, A
24	58	24.7	153	4	US-09-452-937A-30	Sequence 30, Appl
25	57.5	24.5	256	4	US-09-071-035-300	Sequence 300, App
26	57.5	24.5	284	4	US-09-071-035-298	Sequence 298, App
27	57.5	24.5	284	4	US-09-933-999A-6	Sequence 6, Appli
28	57.5	24.5	315	4	US-09-134-000C-6125	Sequence 6125, Ap
29	57.5	24.5	1006	4	US-09-949-016-7897	Sequence 7897, Ap
30	57.5	24.5	1445	1	US-08-015-986A-2	Sequence 2, Appli
31	57.5	24.5	1445	2	US-08-446-363-2	Sequence 2, Appli
32	57	24.3	153	4	US-09-252-991A-31363	Sequence 31363, A
33	57	24.3	652	2	US-08-751-305-2	Sequence 2, Appli
34	56	23.8	197	4	US-09-252-991A-30359	Sequence 30359, A
35	56	23.8	278	3	US-08-663-082-4	Sequence 4, Appli
36	56	23.8	402	4	US-09-252-991A-18195	Sequence 18195, A
37	56	23.8	403	4	US-09-252-991A-30953	Sequence 30953, A
38	56	23.8	483	4	US-09-543-681A-5752	Sequence 5752, Ap
39	56	23.8	488	4	US-09-949-016-9120	Sequence 9120, Ap
40	56	23.8	851	1	US-08-369-796-2	Sequence 2, Appli
41	56	23.8	851	2	US-08-852-091-2	Sequence 2, Appli
42	56	23.8	851	2	US-08-820-754-2	Sequence 2, Appli
43	56	23.8	851	3	US-08-956-652-2	Sequence 2, Appli
44	56	23.8	851	3	US-08-956-869-2	Sequence 2, Appli
45	56	23.8	851	3	US-09-012-710-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-09-690-454-59
; Sequence 59, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (114)
; OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-59

Query Match 100.0%; Score 235; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 8.1e-24;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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              |||||||||||||||||||||||||||||||||||||||||||
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114
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```
RESULT 2
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

  Query Match             84.7%;  Score 199;  DB 4;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 5.6e-19;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||||||||||||||||||||||||||||||||||||||||||:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 3
US-09-949-016-6914
; Sequence 6914, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6914
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Human
US-09-949-016-6914

  Query Match             84.7%;  Score 199;  DB 4;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 5.6e-19;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||||||||||||||||||||||||||||||||||||||||||:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 4
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match             84.7%;  Score 199;  DB 4;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 5.6e-19;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||||||||||||||||||||||||||||||||||||||||||:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 5
US-09-883-777-5
; Sequence 5, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-883-777-5

  Query Match             69.8%;  Score 164;  DB 4;  Length 129;
  Best Local Similarity   70.5%;  Pred. No. 2.5e-14;
  Matches   31;  Conservative    2;  Mismatches   11;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              ||| |||||||||||||  || |:| |||||||||       |:
Db         71 PPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 6
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
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;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;    LENGTH: 129
;    TYPE: PRT
;    ORGANISM: Mus sp.
US-09-742-454A-5

  Query Match             69.8%;  Score 164;  DB 4;  Length 129;
  Best Local Similarity   70.5%;  Pred. No. 2.5e-14;
  Matches   31;  Conservative    2;  Mismatches   11;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              ||| |||||||||||||||  || |:| |||||||||      |:
Db         71 PPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 7
US-09-949-016-6907
; Sequence 6907, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6907
;    LENGTH: 365
;    TYPE: PRT
;    ORGANISM: Human
US-09-949-016-6907

  Query Match             26.8%;  Score 63;  DB 4;  Length 365;
  Best Local Similarity   45.9%;  Pred. No. 2.1;
  Matches   17;  Conservative    5;  Mismatches   13;  Indels    2;  Gaps    2;

Qy          5 FRLLWPILGGALSLT-FVLGLLSGFLVWRRCRRERSS 40
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Db        220 FR-FWPFLVIIVILSALFLGTLACFCVWRRKRKEKQS 255


RESULT 8
US-09-949-016-7325
; Sequence 7325, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
;  APPLICANT: VENTER, J. Craig et al.
;  TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;  TITLE OF INVENTION:  WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;  FILE REFERENCE: CL001307
;  CURRENT APPLICATION NUMBER: US/09/949,016
;  CURRENT FILING DATE:  2000-04-14
;  PRIOR APPLICATION NUMBER: 60/241,755
;  PRIOR FILING DATE: 2000-10-20
;  PRIOR APPLICATION NUMBER: 60/237,768
;  PRIOR FILING DATE: 2000-10-03
;  PRIOR APPLICATION NUMBER: 60/231,498
;  PRIOR FILING DATE: 2000-09-08
;  NUMBER OF SEQ ID NOS: 207012
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7325
;    LENGTH: 391
;    TYPE: PRT
;    ORGANISM: Human
US-09-949-016-7325

  Query Match             26.8%;  Score 63;  DB 4;  Length 391;
  Best Local Similarity   45.9%;  Pred. No. 2.2;
  Matches   17;  Conservative    5;  Mismatches   13;  Indels    2;  Gaps    2;

Qy          5 FRLLWPILGGALSLT-FVLGLLSGFLVWRRCRRERSS 40
              ||  || |   : |:   || |: | |||| |:|: |
Db        246 FR-FWPFLVIIVILSALFLGTLACFCVWRRKRKEKQS 281


RESULT 9
US-08-127-499A-1
; Sequence 1, Application US/08127499A
; Patent No. 5510264
;  GENERAL INFORMATION:
;    APPLICANT:  VAN ALSTYNE, Diane
;    APPLICANT:  SHARMA, Lawrence Rajendra
;    TITLE OF INVENTION:  ANTIBODIES WHICH BIND MENINGITIS RELATED
;    TITLE OF INVENTION:  HOMOLOGOUS ANTIGENIC SEQUENCES
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/127,499A
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  51916/102/INBI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  992 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  unknown
US-08-127-499A-1

  Query Match             26.0%;  Score 61;  DB 1;  Length 992;
  Best Local Similarity   38.8%;  Pred. No. 12;
  Matches   19;  Conservative    6;  Mismatches   16;  Indels    8;  Gaps    3;

Qy          3 APFRLLWPILGGALSL-----TFVLGLLSGFLVWRRCRR--ERSSPPPX 44
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Db        518 SPASALWLATANALSLDHAFAAFVL-LVPWVLIFMVCRRACRRPAPPPP 565


RESULT 10
US-08-482-847-1
; Sequence 1, Application US/08482847
; Patent No. 5556757
;  GENERAL INFORMATION:
;    APPLICANT:  VAN ALSTYNE, Diane
;    APPLICANT:  SHARMA, Lawrence Rajendra
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;    TITLE OF INVENTION:  PEPTIDES REPRESENTING EPITOPIC SITES FOR
;    TITLE OF INVENTION:  BACTERIAL AND VIRAL MENINGITIS CAUSING AGENTS AND THEIR
;    TITLE OF INVENTION:  CNS CARRIER, ANTIBODIES THERETO, AND USES THEREOF
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,847
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/127,499
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  51916/104/INBI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  992 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:
;      TOPOLOGY:  unknown
US-08-482-847-1

  Query Match             26.0%;  Score 61;  DB 1;  Length 992;
  Best Local Similarity   38.8%;  Pred. No. 12;
  Matches   19;  Conservative    6;  Mismatches   16;  Indels    8;  Gaps    3;

Qy          3 APFRLLWPILGGALSL-----TFVLGLLSGFLVWRRCRR--ERSSPPPX 44
              :|   ||      ||||      ||| |:   |::  |||   | :|||:
Db        518 SPASALWLATANALSLDHAFAAFVL-LVPWVLIFMVCRRACRRPAPPPP 565


RESULT 11
US-09-883-777-7
; Sequence 7, Application US/09883777
; Patent No. 6727225
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Human TWEAK receptor fusion protein construct
US-09-883-777-7

  Query Match             25.5%;  Score 60;  DB 4;  Length 309;
  Best Local Similarity   31.0%;  Pred. No. 4.3;
  Matches   13;  Conservative    2;  Mismatches    5;  Indels   22;  Gaps    1;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPP 42
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Db         71 PPAPFRLL----------------------WRSCDKTHTCPP 90


RESULT 12
US-09-742-454A-7
; Sequence 7, Application US/09742454A
; Patent No. 6824773
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 309
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: human TWEAK
;   OTHER INFORMATION: receptor fusion protein construct
US-09-742-454A-7

  Query Match             25.5%;  Score 60;  DB 4;  Length 309;
  Best Local Similarity   31.0%;  Pred. No. 4.3;
  Matches   13;  Conservative    2;  Mismatches    5;  Indels   22;  Gaps    1;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPP 42
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Db         71 PPAPFRLL----------------------WRSCDKTHTCPP 90


RESULT 13
US-08-121-713D-58
; Sequence 58, Application US/08121713D
; Patent No. 5639856
;  GENERAL INFORMATION:
;    APPLICANT:  Goodman, Corey S.
;    APPLICANT:  Kolodkin, Alex L.
;    APPLICANT:  Matthes, David
;    APPLICANT:  Bentley, David R.
;    APPLICANT:  O'Connor, Timothy
;    TITLE OF INVENTION:  The Semaphorin Gene Family
;    NUMBER OF SEQUENCES:  100
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCIENCE & TECHNOLOGY LAW GROUP
;      STREET:  268 Bush Street, Suite 3200
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/121,713D
;      FILING DATE:  13-SEP-1993
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;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Osman, Richard A.
;      REGISTRATION NUMBER:  36,627
;      REFERENCE/DOCKET NUMBER:  B94-002-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415)343-4341
;      TELEFAX:  (415) 343-4342
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  730 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-121-713D-58

  Query Match           25.5%;  Score 60;  DB 1;  Length 730;
  Best Local Similarity   48.4%;  Pred. No. 11;
  Matches   15;  Conservative    4;  Mismatches    8;  Indels    4;  Gaps    1;

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Db        639 GAL----VVGFISGFLFSRRCRGEDYTDMPF 665


RESULT 14
US-08-835-268-58
; Sequence 58, Application US/08835268
; Patent No. 5807826
;  GENERAL INFORMATION:
;    APPLICANT:  Goodman, Corey S.
;    APPLICANT:  Kolodkin, Alex L.
;    APPLICANT:  Matthes, David
;    APPLICANT:  Bentley, David R.
;    APPLICANT:  O'Connor, Timothy
;    TITLE OF INVENTION:  The Semaphorin Gene Family
;    NUMBER OF SEQUENCES:  100
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCIENCE & TECHNOLOGY LAW GROUP
;      STREET:  268 Bush Street, Suite 3200
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/835,268
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/121,713
;      FILING DATE:  13-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Osman, Richard A.
;      REGISTRATION NUMBER:  36,627
;      REFERENCE/DOCKET NUMBER:  B94-002-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415)343-4341
;      TELEFAX:  (415) 343-4342
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  730 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-835-268-58

  Query Match           25.5%;  Score 60;  DB 1;  Length 730;
  Best Local Similarity   48.4%;  Pred. No. 11;
  Matches   15;  Conservative    4;  Mismatches    8;  Indels    4;  Gaps    1;

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Db        639 GAL----VVGFISGFLFSRRCRGEDYTDMPF 665


RESULT 15
US-09-060-692-58
; Sequence 58, Application US/09060692
; Patent No. 5935865
;  GENERAL INFORMATION:
;    APPLICANT:  Goodman, Corey S.
;    APPLICANT:  Kolodkin, Alex L.
;    APPLICANT:  Matthes, David
;    APPLICANT:  Bentley, David R.
;    APPLICANT:  O'Connor, Timothy
;    TITLE OF INVENTION:  The Semaphorin Gene Family
;    NUMBER OF SEQUENCES:  100
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCIENCE & TECHNOLOGY LAW GROUP
;      STREET:  268 Bush Street, Suite 3200
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/060,692
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/121,713
;      FILING DATE:  13-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Osman, Richard A.
;      REGISTRATION NUMBER:  36,627
;      REFERENCE/DOCKET NUMBER:  B94-002-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415)343-4341
;      TELEFAX:  (415) 343-4342
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  730 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-060-692-58

  Query Match           25.5%;  Score 60;  DB 2;  Length 730;
  Best Local Similarity   48.4%;  Pred. No. 11;
  Matches   15;  Conservative    4;  Mismatches    8;  Indels    4;  Gaps    1;

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              |||    |:| :||||  |||| |  :  |:
Db        639 GAL----VVGFISGFLFSRRCRGEDYTDMPF 665


Search completed: May 16, 2005, 09:46:56
Job time : 15.5088 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: May 16, 2005, 09:26:36 ; Search time 54.0351 Seconds
(without alignments)
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Searched: 1432185 seqs, 334051727 residues

Total number of hits satisfying chosen parameters: 1432185

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	235	100.0	114	14	US-10-062-831-59	Sequence 59, Appl
2	235	100.0	114	14	US-10-062-599-59	Sequence 59, Appl
3	199	84.7	129	9	US-09-742-454A-4	Sequence 4, Appli
4	199	84.7	129	9	US-09-883-777-4	Sequence 4, Appli
5	199	84.7	129	14	US-10-024-298A-178	Sequence 178, App
6	199	84.7	129	14	US-10-042-211A-178	Sequence 178, App
7	199	84.7	129	15	US-10-331-496A-37	Sequence 37, Appl
8	199	84.7	129	15	US-10-295-027-444	Sequence 444, App
9	199	84.7	129	15	US-10-295-027-1305	Sequence 1305, Ap
10	199	84.7	129	15	US-10-617-217A-178	Sequence 178, App
11	199	84.7	129	17	US-10-898-575-4	Sequence 4, Appli
12	199	84.7	129	17	US-10-626-686-16	Sequence 16, Appl
13	164	69.8	129	9	US-09-742-454A-5	Sequence 5, Appli
14	164	69.8	129	9	US-09-883-777-5	Sequence 5, Appli
15	164	69.8	129	17	US-10-898-575-5	Sequence 5, Appli
16	70	29.8	361	17	US-10-898-575-11	Sequence 11, Appl
17	70	29.8	413	17	US-10-898-575-13	Sequence 13, Appl
18	67	28.5	426	15	US-10-257-174-44	Sequence 44, Appl
19	67	28.5	426	15	US-10-343-357-6	Sequence 6, Appli
20	65.5	27.9	362	17	US-10-898-575-9	Sequence 9, Appli
21	64.5	27.4	742	15	US-10-282-122A-48721	Sequence 48721, A
22	63	26.8	365	10	US-09-860-836B-5	Sequence 5, Appli
23	63	26.8	365	14	US-10-436-523-59	Sequence 59, Appl
24	63	26.8	368	9	US-09-768-703-2	Sequence 2, Appli
25	63	26.8	368	10	US-09-875-076-6	Sequence 6, Appli
26	63	26.8	368	10	US-09-876-252-6	Sequence 6, Appli
27	63	26.8	368	14	US-10-225-567A-627	Sequence 627, App
28	63	26.8	368	14	US-10-220-382-4	Sequence 4, Appli
29	63	26.8	368	14	US-10-272-983-6	Sequence 6, Appli
30	63	26.8	368	14	US-10-312-094-3	Sequence 3, Appli
31	63	26.8	368	14	US-10-393-807-6	Sequence 6, Appli
32	63	26.8	368	15	US-10-417-820A-6	Sequence 6, Appli
33	63	26.8	368	15	US-10-343-650A-60	Sequence 60, Appl
34	63	26.8	368	16	US-10-723-955-6	Sequence 6, Appli
35	63	26.8	368	16	US-10-782-596-6	Sequence 6, Appli
36	63	26.8	391	15	US-10-264-049-2579	Sequence 2579, Ap
37	62.5	26.6	343	9	US-09-879-017-2	Sequence 2, Appli
38	62.5	26.6	647	16	US-10-437-963-154909	Sequence 154909,
39	62	26.4	252	15	US-10-243-552-454	Sequence 454, App
40	62	26.4	514	15	US-10-336-472-56	Sequence 56, Appl
41	62	26.4	544	14	US-10-067-668-8	Sequence 8, Appli
42	62	26.4	544	14	US-10-175-696-8	Sequence 8, Appli
43	62	26.4	544	14	US-10-257-378-17	Sequence 17, Appl
44	62	26.4	544	16	US-10-343-593-19	Sequence 19, Appl
45	62	26.4	544	16	US-10-776-871-8	Sequence 8, Appli

ALIGNMENTS

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RESULT 1
US-10-062-831-59
; Sequence 59, Application US/10062831
; Publication No. US20030105297A1
; GENERAL INFORMATION:
;  APPLICANT: Steven M. Ruben, et al.
;  TITLE OF INVENTION: 32 Human Secreted Proteins
;  FILE REFERENCE: PZ006P1
;  CURRENT APPLICATION NUMBER: US/10/062,831
;  CURRENT FILING DATE:  2002-02-05
;  PRIOR APPLICATION NUMBER: 09/690,454
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: PCT/US98/10868
;  PRIOR FILING DATE: May 28, 1998
;  PRIOR APPLICATION NUMBER: 60/044,039
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,093
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,190
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/050,935
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,101
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,356
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/056,250
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,296
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,293
;  PRIOR FILING DATE: August 29, 1997
;  NUMBER OF SEQ ID NOS: 229
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 114
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;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (114)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-062-831-59

  Query Match             100.0%;  Score 235;  DB 14;  Length 114;
  Best Local Similarity   100.0%;  Pred. No. 8.7e-20;
  Matches   44;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 114


RESULT 2
US-10-062-599-59
; Sequence 59, Application US/10062599
; Publication No. US20030195346A1
; GENERAL INFORMATION:
;  APPLICANT: Steven M. Ruben, et al.
;  TITLE OF INVENTION: 32 Human Secreted Proteins
;  FILE REFERENCE: PZ006P1
;  CURRENT APPLICATION NUMBER: US/10/062,599
;  CURRENT FILING DATE:  2002-02-05
;  PRIOR APPLICATION NUMBER: 09/690,454
;  PRIOR FILING DATE: 2000-10-18
;  PRIOR APPLICATION NUMBER: 09/189,144
;  PRIOR FILING DATE: 1998-11-10
;  PRIOR APPLICATION NUMBER: 60/044,039
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,093
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,190
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/050,935
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,101
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/048,356
;  PRIOR FILING DATE: May 30, 1997
;  PRIOR APPLICATION NUMBER: 60/056,250
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,296
;  PRIOR FILING DATE: August 29, 1997
;  PRIOR APPLICATION NUMBER: 60/056,293
;  PRIOR FILING DATE: August 29, 1997
;  NUMBER OF SEQ ID NOS: 229
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 114
;   TYPE: PRT
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: SITE
;   LOCATION: (114)
;   OTHER INFORMATION: Xaa equals stop translation
US-10-062-599-59

  Query Match             100.0%;  Score 235;  DB 14;  Length 114;
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  Matches   44;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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RESULT 3
US-09-742-454A-4
; Sequence 4, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-742-454A-4

  Query Match             84.7%;  Score 199;  DB 9;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 4
US-09-883-777-4
; Sequence 4, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: homo sapiens
US-09-883-777-4

  Query Match             84.7%;  Score 199;  DB 9;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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RESULT 5
US-10-024-298A-178
; Sequence 178, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
;  APPLICANT: ASAHI KASEI KABUSHIKI KAISHA
;  APPLICANT:  Akio MATSUDA
;  APPLICANT:  Goichi HONDA
;  APPLICANT:  Shuji MURAMATSU
;  APPLICANT:  Yukiko NAGANO
```

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;  TITLE OF INVENTION: NF-K B Activating Gene
;  FILE REFERENCE: 1254-0191P
;  CURRENT APPLICATION NUMBER: US/10/024,298A
;  CURRENT FILING DATE:  2003-04-08
;  PRIOR APPLICATION NUMBER: 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: 60/278,641
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP254018/2001
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: JP0088912/2001
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP402288/2000
;  PRIOR FILING DATE: 2000-12-28
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
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;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-024-298A-178

  Query Match             84.7%;  Score 199;  DB 14;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

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RESULT 6
US-10-042-211A-178
; Sequence 178, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NFKB Activating Gene
;  FILE REFERENCE: 1254-0192P
;  CURRENT APPLICATION NUMBER: US/10/042,211A
;  CURRENT FILING DATE:  2002-01-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 182
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-042-211A-178

  Query Match             84.7%;  Score 199;  DB 14;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 7
US-10-331-496A-37
; Sequence 37, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
;  APPLICANT: FRANTZ,GRETCHEN
;  APPLICANT:  HILLAN,KENNETH J.
;  APPLICANT:  PHILLIPS,HEIDI S.
;  APPLICANT:  POLAKIS,PAUL
;  APPLICANT:  SMITH,VICTORIA
;  APPLICANT:  SPENCER,SUSAN D.
;  APPLICANT:  WILLIAMS,P. MICKEY
;  APPLICANT:  WU,THOMAS D.
;  APPLICANT:  ZHANG,ZEMIN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;  TITLE OF INVENTION:  TREATMENT OF TUMOR
;  FILE REFERENCE: P5014R1-PCT
;  CURRENT APPLICATION NUMBER: US/10/331,496A
;  CURRENT FILING DATE:  2002-12-30
;  PRIOR APPLICATION NUMBER: US 60/345,444
;  PRIOR FILING DATE: 2002-01-02
;  PRIOR APPLICATION NUMBER: US 60/351,885
;  PRIOR FILING DATE: 2002-01-25
;  PRIOR APPLICATION NUMBER: US 60/360,066
;  PRIOR FILING DATE: 2002-02-25
;  PRIOR APPLICATION NUMBER: US 60/362,004
;  PRIOR FILING DATE: 2002-03-05
;  PRIOR APPLICATION NUMBER: US 60/366,869
;  PRIOR FILING DATE: 2002-03-20
;  PRIOR APPLICATION NUMBER: US 60/366,284
;  PRIOR FILING DATE: 2002-03-21
;  PRIOR APPLICATION NUMBER: US 60/368,679
;  PRIOR FILING DATE: 2002-03-28
;  PRIOR APPLICATION NUMBER: US 60/404,809
;  PRIOR FILING DATE: 2002-08-19
;  PRIOR APPLICATION NUMBER: US 60/405,645
;  PRIOR FILING DATE: 2002-08-21
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 37
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapien
US-10-331-496A-37

  Query Match             84.7%;  Score 199;  DB 15;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 8
US-10-295-027-444
; Sequence 444, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
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;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 444
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-295-027-444

  Query Match             84.7%;  Score 199;  DB 15;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
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Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 9
US-10-295-027-1305
; Sequence 1305, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
;  APPLICANT: Afar, Daniel
;  APPLICANT:  Aziz, Natasha
;  APPLICANT:  Ginsberg, Wendy M.
;  APPLICANT:  Gish, Kurt C.
;  APPLICANT:  Glynne, Richard
;  APPLICANT:  Hevezi, Peter A.
;  APPLICANT:  Mack, David H.
;  APPLICANT:  Murray, Richard
;  APPLICANT:  Watson, Susan R.
;  APPLICANT:  Eos Biotechnology, Inc.
;  TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
;  TITLE OF INVENTION:  Methods of Screening for Modulators of Cancer
;  FILE REFERENCE: 018501-012500US
;  CURRENT APPLICATION NUMBER: US/10/295,027
;  CURRENT FILING DATE:  2002-11-13
;  PRIOR APPLICATION NUMBER: US 09/663,733
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: US 60/350,666
;  PRIOR FILING DATE: 2001-11-13
;  PRIOR APPLICATION NUMBER: US 60/335,394
;  PRIOR FILING DATE: 2001-11-15
;  PRIOR APPLICATION NUMBER: US 60/332,464
;  PRIOR FILING DATE: 2001-11-21
;  PRIOR APPLICATION NUMBER: US 60/334,393
;  PRIOR FILING DATE: 2001-11-29
;  PRIOR APPLICATION NUMBER: US 60/340,376
;  PRIOR FILING DATE: 2001-12-14
;  PRIOR APPLICATION NUMBER: US 60/347,211
;  PRIOR FILING DATE: 2002-01-08
;  PRIOR APPLICATION NUMBER: US 60/347,349
;  PRIOR FILING DATE: 2002-01-10
;  PRIOR APPLICATION NUMBER: US 60/355,250
;  PRIOR FILING DATE: 2002-02-08
;  PRIOR APPLICATION NUMBER: US 60/356,714
;  PRIOR FILING DATE: 2002-02-13
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 1386
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1305
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-295-027-1305

  Query Match             84.7%;  Score 199;  DB 15;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              ||||||||||||||||||||||||||||||||||||||      |:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 10
US-10-617-217A-178
; Sequence 178, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
;  APPLICANT: MATSUDA, Akio et al.
;  TITLE OF INVENTION: NF-kB ACTIVATING GENE
;  FILE REFERENCE: 1254-0229P
;  CURRENT APPLICATION NUMBER: US/10/617,217A
;  CURRENT FILING DATE:  2003-07-11
;  PRIOR APPLICATION NUMBER: JP 2000-402288
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: JP 2001-088912
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: JP 2001-254018
;  PRIOR FILING DATE: 2001-08-24
;  PRIOR APPLICATION NUMBER: US 60/258,315
;  PRIOR FILING DATE: 2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/278,640
;  PRIOR FILING DATE: 2001-03-26
;  PRIOR APPLICATION NUMBER: US 60/314,385
;  PRIOR FILING DATE: 2001-08-24
;  NUMBER OF SEQ ID NOS: 224
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 178
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-617-217A-178

  Query Match             84.7%;  Score 199;  DB 15;  Length 129;
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  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 11
US-10-898-575-4
; Sequence 4, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
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;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-898-575-4

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  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||||||||||||||||||||||||||||||||||||||      |:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 12
US-10-626-686-16
; Sequence 16, Application US/10626686
; Publication No. US20050074842A1
; GENERAL INFORMATION:
;  APPLICANT: Kato, Seishi
;  APPLICANT:  Sekine, Shingo
;  APPLICANT:  Kimura, Tomoko
;  TITLE OF INVENTION: HUMAN PROTEINS HAVING TRANSMEMBRANE
;  TITLE OF INVENTION:  DOMAINS AND DNAS ENCODING THESE PROTEINS
;  FILE REFERENCE: GIN-6706CPUS
;  CURRENT APPLICATION NUMBER: US/10/626,686
;  CURRENT FILING DATE:  2003-07-25
;  PRIOR APPLICATION NUMBER: US/09/445,258A
;  PRIOR FILING DATE: 1999-12-01
;  PRIOR APPLICATION NUMBER: PCT/US98/02445
;  PRIOR FILING DATE: 1998-06-03
;  PRIOR APPLICATION NUMBER: JP 9-144948
;  PRIOR FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 67
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-626-686-16

  Query Match             84.7%;  Score 199;  DB 17;  Length 129;
  Best Local Similarity   84.1%;  Pred. No. 1.5e-15;
  Matches   37;  Conservative    1;  Mismatches    6;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||||||||||||||||||||||||||||||||||||||      |:
Db         71 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRREKFTTPI 114


RESULT 13
US-09-742-454A-5
; Sequence 5, Application US/09742454A
; Patent No. US20020041876A1
; GENERAL INFORMATION:
;  APPLICANT: WILEY, Steven R.
;  TITLE OF INVENTION: TWEAK Receptor
;  FILE REFERENCE: 2968-B
;  CURRENT APPLICATION NUMBER: US/09/742,454A
;  CURRENT FILING DATE:  2000-12-19
;  PRIOR APPLICATION NUMBER: 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-742-454A-5

  Query Match             69.8%;  Score 164;  DB 9;  Length 129;
  Best Local Similarity   70.5%;  Pred. No. 1.8e-11;
  Matches   31;  Conservative    2;  Mismatches   11;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 14
US-09-883-777-5
; Sequence 5, Application US/09883777
; Patent No. US20020110853A1
; GENERAL INFORMATION:
;  APPLICANT: Wiley, Steven R.
;  TITLE OF INVENTION: TWEAK RECEPTOR
;  FILE REFERENCE: 2968-C
;  CURRENT APPLICATION NUMBER: US/09/883,777
;  CURRENT FILING DATE:  2001-06-18
;  PRIOR APPLICATION NUMBER: US 60/172,878
;  PRIOR FILING DATE: 1999-12-20
;  PRIOR APPLICATION NUMBER: US 60/203,347
;  PRIOR FILING DATE: 2000-05-10
;  PRIOR APPLICATION NUMBER: PCT/US00/34755
;  PRIOR FILING DATE: 2000-12-19
;  PRIOR APPLICATION NUMBER: US 09/742,454
;  PRIOR FILING DATE: 2000-12-19
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-883-777-5

  Query Match             69.8%;  Score 164;  DB 9;  Length 129;
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  Matches   31;  Conservative    2;  Mismatches   11;  Indels    0;  Gaps    0;

Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
              |||  |||||||||||||||  || |:| |||||||||      |:
Db         71 PPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114


RESULT 15
US-10-898-575-5
; Sequence 5, Application US/10898575
; Publication No. US20050054047A1
; GENERAL INFORMATION:
;  APPLICANT: AMGEN INC.
;  APPLICANT:  Wiley, Steven R.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO MULTIMERIC AND OLIGOMERIC
;  TITLE OF INVENTION:  SOLUBLE FRAGMENTS OF THE TWEAK RECEPTOR
;  FILE REFERENCE: 3430-A
;  CURRENT APPLICATION NUMBER: US/10/898,575
;  CURRENT FILING DATE:  2004-07-23
;  PRIOR APPLICATION NUMBER: US 60/490,036
;  PRIOR FILING DATE: 2003-07-24
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
;   LENGTH: 129
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-10-898-575-5

  Query Match             69.8%;  Score 164;  DB 17;  Length 129;
  Best Local Similarity   70.5%;  Pred. No. 1.8e-11;
  Matches   31;  Conservative    2;  Mismatches   11;  Indels    0;  Gaps    0;
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Qy          1 PPAPFRLLWPILGGALSLTFVLGLLSGFLVWRRCRRERSSPPPX 44
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Db         71 PPAHFRLLWPILGGALSLVLVLALVSSFLVWRRCRRREKFTTPI 114
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Search completed: May 16, 2005, 09:53:27
Job time : 55.0351 secs